

Abstract:

The invention relates to a slag crusher with a shaft (2) extending through the pressure housing (1), which shaft comprises inlet baffle plates (12, 15) in a funnel-shaped arrangement, stationary cutting knives (7) as well as cutting knives (4) rotating on the shaft (2).

The vertical center line (22) of the shaft (2) is disposed eccentrically or off-set with respect to the vertical center line (20) of the pressure housing (1) at a distance "a", so that the crushing area is concentrated in the middle of the slag crusher.

When crushing the material to be crushed, the crushing shoulders of the rotating cutting knives (4) form the stationary cutting knives (7) protruding through the inlet baffle plates (12, 12a), which stationary cutting knives are provided with a wear-resistant build-up weld (11) in the crushing area.

The rotating cutting knives (4) are angularly offset on the periphery of the shaft (2) in a known manner, so that it is achieved that during the crushing operation only one rotating knife (4) and two stationary knives (7) are each in engagement with each other, and the further knives (4) or pairs of knives (7) are used only subsequently.

Fig. 2